

## Abstract

The present invention discloses an active organic light emitting diode (AOLED) display structure. A color filter and thin film transistor organic light emitting diode (TFT-OLED) are incorporated on one substrate of the AOLED. Moreover, a Indium Tin Oxide(ITO)layer of the AOLED is deposited with a black matrix layer so as to lower light leakage effect and increase the contrast and color purity level in between pixels of the display. By adopting such technology, a flat panel display having large area, high resolution and low product cost is accordingly implemented.